ILG

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VENTILATING AND HEATING EQUIPMENT





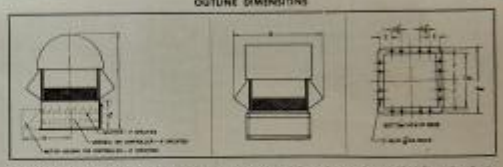
TYPE PRV POWER ROOF VENTILATORS

The new Big Type "PRV" Power Roof Ventilators, consisting of a housed direct-connected centrifugal fan and motor, offer positive controlled ventilation independent of wind or weather conditions in sizes providing air deliveries over the unusually large range of pressures from free air to 1½" static pressure. Exclusive self-cooled motor mounted in separate compartment is protected from exhaust fumes, heat, dust and excessive moisture. The weather tight housing contains the complete fan unit and air control accessories eliminating the need of an expensive high-profile curbing and fitting of air control accessories into the roof or curbing section. Easily and quickly installed, wired and serviced.





OUTLINE DIMENSIONS



NOTE: ALL DIMENSIONS ARE IN INCHES. For exact construction information, send for certified dimension sheets.

Size	15	25	30	35	40	45	50	55	60	65	70
A	18⅛	19⅝	22⅝	25⅞	29½	32⅝	35⅝	38⅞	42⅛	45⅛	48⅝
B	22½	24½	30	34½	40⅛	45½	50⅝	55⅞	60½	65½	71⅛
C	30⅛	34⅞	39⅛	43½	48⅝	53⅛	57⅞	56	58	62½	66½
D	13	16⅛	19½	22⅞	26	29¼	32½	35⅝	39	42¼	45½
E	4	2⅝	4	2⅝	4	2⅝	4	2⅝	4	2⅝	4
F	8¼	8⅜	10½	12⅝	15⅛	15⅜	17	18½	20¼	21⅛	23½
G	8	12	12	16	16	20	20	24	24	28	28

SIZES AND CAPACITIES

NOTE: THE LOWER SPEED IN EACH SIZE PROVIDES THE MOST QUIET OPERATION

SIZE	H.P.	FAN SPEED R.P.M.	¼" STATIC C.F.M.	½" STATIC C.F.M.	¾" STATIC C.F.M.	1" STATIC C.F.M.	1½" STATIC C.F.M.
15	⅓	1140	1100	1000	900	800	600
	½	1550	1500	1400	1300	1200	1000
25	⅓	1140	1600	1500	1400	1300	1100
	½	1550	2200	2100	2000	1900	1700
30	½	1140	2200	2100	2000	1900	1700
	¾	1550	3000	2900	2800	2700	2500
35	½	1140	2900	2800	2700	2600	2400
	¾	1550	3900	3800	3700	3600	3400
40	¾	1140	3800	3700	3600	3500	3300
	1	1550	5100	5000	4900	4800	4600
45	¾	1140	4800	4700	4600	4500	4300
	1	1550	6400	6300	6200	6100	5900
50	¾	1140	5900	5800	5700	5600	5400
	1	1550	7900	7800	7700	7600	7400
55	1	1140	7000	6900	6800	6700	6500
	1½	1550	9500	9400	9300	9200	9000
60	1	1140	8400	8300	8200	8100	7900
	1½	1550	11400	11300	11200	11100	10900
65	1	1140	9900	9800	9700	9600	9400
	1½	1550	13400	13300	13200	13100	12900
70	1	1140	11500	11400	11300	11200	11000
	1½	1550	15600	15500	15400	15300	15100

ILG ELECTRIC VENTILATING CO. 2870 North Crawford Ave., Chicago 41, Illinois. Offices in more than 40 Principal Cities

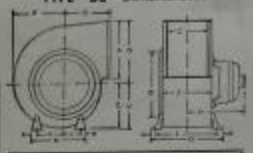
CENTRIFUGAL FANS (CON'T)

TYPE B-C



TYPE "BC" with backward curved blades. Load-limiting type for ventilating and air conditioning applications. Motor load remains constant over wide range of air volume and change in static pressure. No need for excess motor horsepower. No chance of motor overload where resistance is less than calculated. Motor and wheel are permanently aligned by directly driving wheel from motor shaft, avoiding unnecessary friction from belts, gears or sheaves . . . permitting partial recession of motor in side of casing to save floor space. Mount on floor, wall or ceiling. Available with "Floated-Drive" integrated sound isolation and with manual or remote electrically operated variable air volume controller. "One-Name-Plate" responsibility. 10 sizes.

TYPE "BC" DIMENSIONS





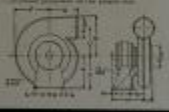




TYPE "PE" . . . PRESSURE CENTRIFUGAL FANS



Specially designed for high pressure dust removal, waste conveyance, gas exhaust, supply blast, or rapid loading. Dynamically balanced, HLGPREX universal wheel. Change rotation by rotating housing. Wheels are convertible for clockwise or counter-clockwise rotation. Data on three commercial sizes given here. For information on belt-driven sizes see Catalog 240.

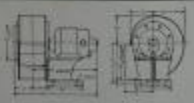


DIMENSIONS AND WEIGHTS



TYPE "B" . . . VOLUME CENTRIFUGAL FANS

Particularly adapted for applications in offices, hotels, projection and telephone booths, kitchens, etc., for small, quiet air volume through ducts. High efficiency at lower power cost. Housing motor mounted on common base, with fan wheel directly driven from motor shaft to assure permanent alignment, saving space, reducing costs. Die cut steel housing. Cast aluminum inlet opening. Clockwise or counter-clockwise rotation. Discharge easily changed by rotating housing.



PERFORMANCE TABLE







All ratings on this page are certified in accordance with the standard test code adopted jointly by the National Association of Fan Manufacturers and the American Society of Heating and Ventilating Engineers.

CENTRIFUGAL FANS (CON'T)

ILG

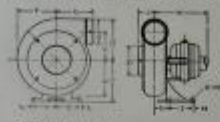
29c
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TYPE "P" . . . VOLUME CENTRIFUGAL FANS



For handling small quantities of air over pressure range of ⅛" to 6½". Suitable for exhausting fumes from chemical laboratories, handling light dust from polishing wheels and grinders, exhausting steam and vapors from dye houses, breweries, canning factories. Often built into other machines such as automatic doughnut machines, label making machines, heat treating cabinets, blacksmith forges, electronic equipment, etc.

Direct connected to motor and wheel. Four different electrical combinations possible to be supplied to avoid friction in shaft bends. Cast bronze split bearings and wheel turned and balanced.



Principal Dimensions

Size	A	B	C	D	E	F	G	H	J	K	L	M	N	O
2½	2½	2½	2½	2½	2½	2½	1¾	⅝	1¾	⅝	1¾	⅝	1¾	⅝
3	3	3	3	3	3	3	2	⅝	2	⅝	2	⅝	2	⅝
4	4	4	4	4	4	4	2½	⅝	2½	⅝	2½	⅝	2½	⅝
5	5	5	5	5	5	5	3	⅝	3	⅝	3	⅝	3	⅝
6	6	6	6	6	6	6	3½	⅝	3½	⅝	3½	⅝	3½	⅝

For more complete information write for certified performance tables.

Performance Data in C.F.M. at Various Pressures

Fan Size	Motor H.P.	½"		¾"		1"		1½"		2"		3"	
		C.F.M.	Wheel Pressure	C.F.M.	Wheel Pressure	C.F.M.	Wheel Pressure	C.F.M.	Wheel Pressure	C.F.M.	Wheel Pressure	C.F.M.	Wheel Pressure
2½	1/20	142	1.00	112	1.00	80	1.00	32	1.00	1.00	1.00		
3	1/20	252	1.00	232	1.00	208	1.00	160	1.00	96	1.00		
4	1/20	432	1.00	416	1.00	400	1.00	368	1.00	320	1.00	192	1.00
5	1/20	672	1.00	656	1.00	640	1.00	608	1.00	560	1.00	432	1.00
6	1/20	960	1.00	944	1.00	928	1.00	896	1.00	848	1.00	720	1.00

Capacities based on 60 Cycle and 60 Hertz

Size	Motor H.P.	½"	¾"	1"	1½"	2"	2½"	3"	3½"	4"	4½"	5"	5½"	6"
2½	1/20	142	112	80	32									
3	1/20	252	232	208	160	96								
4	1/20	432	416	400	368	320	192							
5	1/20	672	656	640	608	560	432							
6	1/20	960	944	928	896	848	720	544	336					

TYPE "65" . . . UTILITY CENTRIFUGAL FANS



Now, all-purpose fan specifically designed for building into equipment requiring ventilation or air movement. Extremely flexible, unit can be supplied with eight different arrangements. Die-stamped, double steel housing and mate. Zinc die-cast wheel, carefully balanced for vibrationless, quiet, efficient operation. Direct-connected motor and wheel shaft provide extremely compact unit. Overall height, 6½"; length 9⅞"; width 6⅞". The 65 fan is available with 3400 RPM shaded pole sleeve bearing motor or with 1800 RPM totally enclosed motor. 110 volts, single phase, 60 cycle. Ball bearing.

Performance Data in C.F.M. at Various Static Pressures

R.P.M.	.05"	.10"	.15"	.20"	.25"	.30"	.35"	.40"
1550	163	156	151	144	137	129		
R.P.M.	.05"	.10"	.15"	.20"	.25"	.30"	.35"	.40"
3400	358	350	342	333	324	314	304	294

TYPE "X" . . . EXPLOSION PROOF FANS



The performance features of the Type "Q" propeller fan are combined with the use of a ball bearing explosion proof motor to produce the Type "X" explosion-proof propeller fan. These fans are suitable for all Class I, Group D hazardous applications.

110 or 220 Volts—1 Phase, 60 Cycle

Catalog Number		Size	R.P.M.	C.F.M. at Static Pressure							Shipping Wt. Lbs.	Ball Bearing	Approx. Wt. Lbs.	
110 Volts	220 Volts			.0"	.05"	.10"	.15"	.20"	.25"	.30"			Fan	Motor
51151	51161	2½XQB	1140	146	142	138	134	129	124	119	6.00	¼	10	10
51152	51162	3XQB	1140	286	282	278	274	269	264	259	6.00	¼	10	10
51153	51163	4XQB	1140	486	482	478	474	469	464	459	6.00	¼	10	10
51171	51172	5XQB	1140	736	732	728	724	719	714	709	6.00	¼	10	10
51154	51164	6XQB	1140	1026	1022	1018	1014	1009	1004	999	6.00	¼	10	10
51155	51165	7XQB	1140	1356	1352	1348	1344	1339	1334	1329	6.00	¼	10	10
51157	51167	9XQB	1140	1906	1902	1898	1894	1889	1884	1879	6.00	¼	10	10

220 or 440 Volts—3 Phase, 60 Cycle

Catalog Number		Size	R.P.M.	C.F.M. at Static Pressure							Shipping Wt. Lbs.	Ball Bearing	Approx. Wt. Lbs.	
220 Volts	440 Volts			.0"	.05"	.10"	.15"	.20"	.25"	.30"			Fan	Motor
51161	51171	2½XQB	1140	146	142	138	134	129	124	119	6.00	¼	10	10
51162	51172	3XQB	1140	286	282	278	274	269	264	259	6.00	¼	10	10
51163	51173	4XQB	1140	486	482	478	474	469	464	459	6.00	¼	10	10
51164	51174	5XQB	1140	736	732	728	724	719	714	709	6.00	¼	10	10
51165	51175	6XQB	1140	1026	1022	1018	1014	1009	1004	999	6.00	¼	10	10
51166	51176	7XQB	1140	1356	1352	1348	1344	1339	1334	1329	6.00	¼	10	10
51167	51177	9XQB	1140	1906	1902	1898	1894	1889	1884	1879	6.00	¼	10	10

*Type "X" with 4 blade cast aluminum wheel.

TYPE "P" . . . HIGH SPEED FANS



Greater air moving capacities with minimum physical dimensions have been achieved by combining the type "Q" wheel with high speed motors in the type "P" high speed self-cooled motor propeller fans. This fan is particularly suitable for industrial applications where low decibel sound level ratings are not of primary importance.

For dimensions of the Type "X" and Type "P" fans, see illustration page 8 of the Type "Q" fan.

115 or 230 Volts—1 Phase, 60 Cycle

Catalog Number		Size	R.P.M.	C.F.M. at Static Pressure							Shipping Wt. Lbs.	Ball Bearing	Approx. Wt. Lbs.	
115 Volts	230 Volts			.0"	.05"	.10"	.15"	.20"	.25"	.30"			Fan	Motor
51181	51191	2½XPB	3500	1020	1000	980	960	940	920	900	6.00	¼	10	10
51182	51192	3XPB	3500	1870	1850	1830	1810	1790	1770	1750	6.00	¼	10	10
51183	51193	4XPB	3500	3070	3050	3030	3010	2990	2970	2950	6.00	¼	10	10
51184	51194	5XPB	3500	4620	4600	4580	4560	4540	4520	4500	6.00	¼	10	10

230 or 440 Volts—3 Phase, 60 Cycle

Catalog Number		Size	R.P.M.	C.F.M. at Static Pressure							Shipping Wt. Lbs.	Ball Bearing	Approx. Wt. Lbs.	
230 Volts	440 Volts			.0"	.05"	.10"	.15"	.20"	.25"	.30"			Fan	Motor
51191	51201	2½XPB	3500	1020	1000	980	960	940	920	900	6.00	¼	10	10
51192	51202	3XPB	3500	1870	1850	1830	1810	1790	1770	1750	6.00	¼	10	10
51193	51203	4XPB	3500	3070	3050	3030	3010	2990	2970	2950	6.00	¼	10	10
51194	51204	5XPB	3500	4620	4600	4580	4560	4540	4520	4500	6.00	¼	10	10

*Type "P" with 4 blade cast aluminum wheel.

All ratings on this page are certified in accordance with the standard test code adopted jointly by the National Association of Fan Manufacturers and the American Society of Heating and Ventilating Engineers.

SELF-COOLED MOTOR PROPELLER FANS



TYPE "Q"

Proved in many thousands of kitchen and attic ventilation installations, use of ILG's Type "Q" design is now extended to medium sizes of propeller fans. Now available in models 63 to 483—fan wheels 6" through 48" in diameter.

Used for exhaust of stale air, fumes, heat, dust, odors, etc. Patented Self-Cooled Motor (see below) designed specifically for use in polluted air stream of exhaust fan—combines low operating cost of open-type motor with protection of closed-type motor. Rugged, heavy-duty framework of fan is precision built for long years of continuous service. Dynamically-balanced fan wheel, direct-connected to motor. Supremely quiet operation—smooth, true-running, vibrationless vibration and bearing wear for reduced operating and maintenance costs. "One Name Plate" responsibility covers fan and ILG-built motor as one unit.

Exclusive ILG Self-Cooled Motor

When fan is operating, clean, cool, fresh air is drawn through the vent pipe from OUTSIDE, circulated through the motor, then exhausted from the front of the motor. Motor stays clean, cools itself—no foul air reaches it to interrupt service, shorten its life.





TYPE "W"

Forty-two years of experience vouch for the service merits of the Type "W" design for large-diameter fan wheels. It is estimated that over 1,000,000 are now in use. Available in 90" to 22' sizes.

ALTERNATING CURRENT—Constant Speed, One Phase, 60 Cycle

Catalog No. 115 Volts	Catalog No. 230 Volts	Size	Type	RPM	CFM	Nominal Wheel Dia.	Motor HP	Shaded Rating	Approx. Net Wt.	Wt. Lbs. Shipping
48078	48039	6Q6H	Q	2750	350	6"	1/80	90	4	5
48094	48083	8Q5H	Q	1300	450	8"	1/25	41	5	8
48096	48095	10Q6H	Q	1550	800	10"	1/16	46	7	12
48065	48096	12Q8H	Q	1550	1000	12"	1/20	54	13	20
48186	48187	16Q6H	Q	1140	1300	16"	1/16	52	28	46
48188	48189	18Q9H	Q	1140	2000	18"	1/8	76	45	69
48130	48131	21Q5H	Q	1140	3000	21"	1/3	98	69	93
48132	48133	24Q6H	Q	855	4300	24"	1/4	84	94	150
48154	48155	30Q6H	Q	600	7800	30"	3/4	60	180	230
48156	48157	36Q9H	Q	570	11800	36"	1 1/4	62	317	417
—	48159	42Q9H	Q	498	12900	42"	1 1/2	60	330	495
—	48161	48Q9H	Q	498	23300	48"	1 1/2	60	386	585

50-Cycle speeds and capacities are approximately 5/6 those shown for 60 Cycle.

ALTERNATING CURRENT—Two Speed, One Phase, 60 Cycle

Catalog No. 115 Volts	Catalog No. 230 Volts	Size	Type	RPM	CFM	Nominal Wheel Dia.	Motor HP	Shaded Rating	Approx. Net	Wt. Lbs. Shipping
48390	48391	16Q6	Q	1140	1700	16"	1/16	53	38	80
				855	1250			48		
48382	48388	18Q9	Q	1140	2600	18"	1/8	76	58	80
				855	1950			67		
48384	48385	21Q6	Q	1140	3900	21"	1/4	94	99	84
				855	2700			84		
48386	48387	24Q6	Q	855	4700	24"	1/4	94	100	165
				690	3300			68		
48388	48389	30Q6	Q	685	7600	30"	3/4	61	169	245
				580	5100			51		
48330	48331	36Q9	Q	570	10000	36"	1 1/4	62	317	417
				480	7350			50		
	48213	42Q9	Q	480	15500	42"	1 1/2	61	330	495
				340	13000			51		

Fans are equipped with two speed switch, having high, low, and off positions. Low speeds are approximate.

ALTERNATING CURRENT—60 Cycle, "Three Phase, Constant Speed

Catalog No. 230 V	Catalog No. 460 V	Catalog No. 550 V	Size	Type	RPM	CFM	Nominal Wh. Dia.	Motor HP	Shaded Rating	Approx. Net	Wt. Lbs. Shipping
49300	49301	49302	16Q3H	Q	1140	1600	16"	1/8	56	34	80
49303	49304	49305	21Q3H	Q	1140	3400	21"	1/2	76	93	93
49306	49307	49308	24Q3H	Q	855	4700	24"	3/4	84	109	160
49309	49310	49311	30Q3H	Q	685	7800	30"	1 1/4	61	193	243
49312	49313	49314	36Q3H	Q	570	11800	36"	2 1/2	62	285	393
49315	49316	49317	42Q3H	Q	490	15500	42"	2 1/2	61	330	450
49323	49324	49325	48Q3H	Q	490	23300	48"	3 1/2	60	385	565
3127	3128	3129	60"3H	W	308	28400	60"	3 1/2	58	580	1120
3130	3131	3132	72"3H	W	215	40500	72"	5	58	980	1800

Propeller fans are designed for free air delivery and therefore should not be used with extensive duct systems, flues or pipes, or to deliver air against greater than ½" static pressure.

*The ILG propeller-in-line or three phase motors is used unless the circuit is provided with a thermal starter incorporating thermal overload protection of the proper size.

CERTIFIED RATINGS

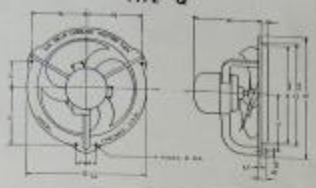
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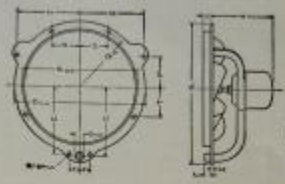
SELF-COOLED MOTOR PROPELLER FANS

29c
IL

TYPE "Q"



TYPE "W"



Measurements A and B are diameter of opening to be cut for installation.

Dimensions in Inches

Size	A	B	C	D	E	F	G	H	J	K	L	M	N	P
60	61¼	6	19⅝	19⅝	33	45½	73½	30	17½	⅞	17½	⅞	59⅝	17½
72	73¼	7½	23½	23½	39½	47½	86½	35½	17½	⅞	17½	⅞	71⅝	20½

For exact overcenter information send for certified dimension prints.

Dimensions in Inches

Size	A	B	C	D	E	F	G	H	J	K	L	M	N	P
60	61¼	6	19⅝	19⅝	33	45½	73½	30	17½	⅞	17½	⅞	59⅝	17½
72	73¼	7½	23½	23½	39½	47½	86½	35½	17½	⅞	17½	⅞	71⅝	20½

ILG AUTOMATIC SHUTTERS



An ILG Automatic Shutter, on the discharge side of the fan, protects the fan and building interior from rain and snow, also prevents wind pressure against fan from overloading motor, blowing out fuses, or burning out motor.

When fan is operating, shutter blades are held open by the air currents. When fan is idle, the shutter closes automatically by gravity. Designed to face exposure to the weather for years, ILG shutters are made with durable blades pressed in heavy-duty rails, supported in a rugged cast aluminum or steel frame. Protected by basic patents in the United States and Canada.

Sizes, Weights

Catalog No.	Shutter Fan Size	Fan Fan Size	Approx. Ship. Wt.
609	9"	9"	3 lbs.
610	10"	10"	3 lbs.
611	11"	11"	3 lbs.
612	12"	12"	3 lbs.
613	13"	13"	15 lbs.
614	14"	14"	20 lbs.
615	15"	15"	20 lbs.
616	16"	16"	30 lbs.
617	17"	17"	30 lbs.
618	18"	18"	36 lbs.
619	19"	19"	42 lbs.
620	20"	20"	42 lbs.
621	22"	22"	50 lbs.
622	24"	24"	55 lbs.
623	26"	26"	60 lbs.
624	28"	28"	65 lbs.
625	30"	30"	70 lbs.
626	32"	32"	75 lbs.
627	34"	34"	80 lbs.
628	36"	36"	85 lbs.
629	38"	38"	90 lbs.
630	40"	40"	95 lbs.
631	42"	42"	100 lbs.



NOTE—Size of shutter corresponds to size of fan—for example, 36" fan takes size 36" shutter, 48" and larger use shutter one half in size blades, two active.

Dimensions in Inches

Fan Size	A	B	C	D
9"	10"	10½"	11"	10½"
10"	11"	11½"	12"	11½"
11"	12"	12½"	13"	12½"
12"	13"	13½"	14"	13½"
13"	14"	14½"	15"	14½"
14"	15"	15½"	16"	15½"
15"	16"	16½"	17"	16½"
16"	17"	17½"	18"	17½"
17"	18"	18½"	19"	18½"
18"	19"	19½"	20"	19½"
19"	20"	20½"	21"	20½"
20"	21"	21½"	22"	21½"
22"	23"	23½"	24"	23½"
24"	25"	25½"	26"	25½"
26"	27"	27½"	28"	27½"
28"	29"	29½"	30"	29½"
30"	31"	31½"	32"	31½"
32"	33"	33½"	34"	33½"
34"	35"	35½"	36"	35½"
36"	37"	37½"	38"	37½"
38"	39"	39½"	40"	39½"
40"	41"	41½"	42"	41½"
42"	43"	43½"	44"	43½"

ILG POWER ROOF VENTILATORS



Provide pre-determined air volume for positive ventilation under all weather conditions. Weather-proof steel penthouse, solidly built with door at back for access to fan for periodical oiling. Exclusive ILG Self-Cooled Motor Propeller Fan inside penthouse. Automatic Shutter protects fan and building interior—avoids motor overloading from wind pressure. Special protective finishes and insulation available at slight extra cost. Use form from page 4.

CATALOG NUMBER		Penthouse Size	Fit Fan Size	Motor Group	OVERALL DIMENSIONS			Approx. Weight Lbs.
Standard	Insulated				Depth, In.	Width, In.	Height, In.	
2360	2360	18½	15"	1B	17	14	23	98
2361	2361	18½	15"	2B	17	14	23	113
2362	2362	18½	15"	3B	17	14	23	128
2363	2363	18½	15"	1A	17	14	23	128
2364	2364	18½	15"	2A	17	14	23	143
2365	2365	18½	15"	3A	17	14	23	143
2366	2366	18½	15"	4A	17	14	23	143
2367	2367	18½	15"	5A	17	14	23	143
2368	2368	24½	18"	1B	20	17	28	180
2369	2369	24½	18"	2B	20	17	28	180
2370	2370	24½	18"	3B	20	17	28	180
2371	2371	24½	18"	1A	20	17	28	180
2372	2372	24½	18"	2A	20	17	28	180
2373	2373	24½	18"	3A	20	17	28	180
2374	2374	24½	18"	4A	20	17	28	180
2375	2375	24½	18"	5A	20	17	28	180
2376	2376	30½	24"	2B	23	20	33	260
2377	2377	30½	24"	3B	23	20	33	260
2378	2378	30½	24"	1A	23	20	33	260
2379	2379	30½	24"	2A	23	20	33	260
2380	2380	30½	24"	3A	23	20	33	260
2381	2381	30½	24"	4A	23	20	33	260
2382	2382	30½	24"	5A	23	20	33	260
2383	2383	36½	30"	3B	26	23	38	340
2384	2384	36½	30"	1A	26	23	38	340
2385	2385	36½	30"	2A	26	23	38	340
2386	2386	36½	30"	3A	26	23	38	340
2387	2387	36½	30"	4A	26	23	38	340
2388	2388	36½	30"	5A	26	23	38	340
2389	2389	42½	36"	3B	29	26	43½	1100
2390	2390	42½	36"	1A	29	26	43½	1100
2391	2391	42½	36"	2A	29	26	43½	1100
2392	2392	42½	36"	3A	29	26	43½	1100
2393	2393	42½	36"	4A	29	26	43½	1100
2394	2394	42½	36"	5A	29	26	43½	1100

For exact overcenter information send for certified dimension prints.

ILG PROPELLER FAN GUARDS



For installations 7 feet or less from the floor an ILG Fan Guard is recommended for protective purposes. Strong, durable ILG Woven Wire guards do not obstruct air flow. They are available in one, two, or three sections. May be attached to any ILG fan at any time. All sections are interchangeable.

Sizes, Weights

Catalog Number*	Fan Fan Size	Fan Type	Shipping Wt., Unc. Complete	Catalog Number	Fan Fan Size	Fan Type	Shipping Wt., Unc. Complete
61761	60	U	4	61731	333	U	25
61749	61	U	4	1701	48"	R	28
61740	183	U	4	61730	183	U	28
61750	122	U	4	1730	48"	R	28
61721	183	U	6	61727	183	U	28
61722	183	U	10	61726	183	U	40
61723	183	U	15	1709	48"	W	100
61703	732	U	28	1708	72"	W	140
61704	243	U	28				

*Any guard.

All ratings on this page are certified in accordance with the standard test code adopted jointly by the Propeller Fan Manufacturers Association, the National Association of Fan Manufacturers and the American Society of Heating and Ventilating Engineers.

SELF-COOLED MOTOR UNIT HEATERS

ILG

STEAM OR HOT WATER

Exclusive ILG Self-Cooled Motor never "slow roasts" due to radiated heat from core, saves power cost. Two-piece graduated header provides "balanced" steam distribution . . . each tube expands and contracts uniformly. Top of header bolted on, simplifying maintenance. Brass orifice bushings expand tubes uniformly in header plate. Solid copper core-fins pressed into ½" O.D. copper round tubes. Bottom header "floats" on slotted coil retainer and spring washers for expansion and contraction of coil independent of unit casing. Individually adjustable louvers lessen air turbulence and increase heating range up to 40 to 80 feet. Eye-bolts, connected directly to header, remove all weight from supply line. Fan wheel verified for dynamic balance at rated speeds.



HORIZONTAL TYPE

Standard unit for use in majority of applications. Self-cooled Motor, dynamically balanced fan wheel, Zeloso header, copper core, adjustable louvers.



LOW CEILING TYPE

For horizontal discharge in buildings where headroom is at a premium. Side inlet and outlet or end inlet and bottom outlet—extremely compact installation.



VERTICAL TYPE

For installation with extremely high or restricted low ceilings. This type can be obtained with or without 3-Deckover (above) or variable air deflectors or air diffusers (below).





Ratings for Horizontal, Vertical, and Low-Ceiling Types

Motor H.P.	Motor Volts	Motor Cycles	R.P.M.	Amps.	Watts	Lbs. Steam per Hour	Sq. Ft. Equiv. Direct Radiation
1/20	110	60	1100	1.1	110	75	300
1/20	220	60	1100	.55	110	75	300
1/12	110	60	1100	1.6	160	110	440
1/12	220	60	1100	.8	160	110	440
1/8	110-220	60	1100	2.2	220	150	600
1/8	110-220	60	1100	2.2	220	150	600
1/6	110-220	60	1100	2.8	280	190	760
1/6	110-220	60	1100	2.8	280	190	760
1/4	110-220	60	1100	3.8	380	260	1040
1/4	110-220	60	1100	3.8	380	260	1040
1/3	110-220	60	1100	4.6	460	315	1260
1/3	110-220	60	1100	4.6	460	315	1260
1/2	110-220	60	1100	6.4	640	440	1760
1/2	110-220	60	1100	6.4	640	440	1760
3/4	110-220	60	1100	8.8	880	600	2400
3/4	110-220	60	1100	8.8	880	600	2400
1	110-220	60	1100	10.8	1080	740	2960
1	110-220	60	1100	10.8	1080	740	2960
1½	110-220	60	1100	15.2	1520	1040	4160
1½	110-220	60	1100	15.2	1520	1040	4160
2	110-220	60	1100	20.0	2000	1370	5480
2	110-220	60	1100	20.0	2000	1370	5480

The lower speed shown for each unit is available only on the low speed or two speed units.



TEXTILE TYPE →

TEXTILE TYPE—For textile mills and other applications where lint or other material normally adheres to fin surfaces and clogs up coil. Fins are eliminated or standard copper tubes are increased for greater primary heating surface.

Motor H.P.	Motor Volts	Motor Cycles	R.P.M.	Amps.	Watts	Lbs. Steam per Hour	Sq. Ft. Equiv. Direct Radiation
1/20	110	60	1100	.55	110	75	300
1/20	220	60	1100	.55	110	75	300
1/12	110	60	1100	1.6	160	110	440
1/12	220	60	1100	.8	160	110	440
1/8	110-220	60	1100	2.2	220	150	600
1/8	110-220	60	1100	2.2	220	150	600
1/6	110-220	60	1100	2.8	280	190	760
1/6	110-220	60	1100	2.8	280	190	760
1/4	110-220	60	1100	3.8	380	260	1040
1/4	110-220	60	1100	3.8	380	260	1040
1/3	110-220	60	1100	4.6	460	315	1260
1/3	110-220	60	1100	4.6	460	315	1260
1/2	110-220	60	1100	6.4	640	440	1760
1/2	110-220	60	1100	6.4	640	440	1760
3/4	110-220	60	1100	8.8	880	600	2400
3/4	110-220	60	1100	8.8	880	600	2400
1	110-220	60	1100	10.8	1080	740	2960
1	110-220	60	1100	10.8	1080	740	2960
1½	110-220	60	1100	15.2	1520	1040	4160
1½	110-220	60	1100	15.2	1520	1040	4160
2	110-220	60	1100	20.0	2000	1370	5480
2	110-220	60	1100	20.0	2000	1370	5480

Two above ratings are certified in accordance with the standard test code adopted jointly by the Industrial Unit Heater Association and the American Society of Heating and Ventilating Engineers.

Ratings apply only to recirculation and non-discharge. "CFM" = Cubic feet per minute of standard air at 70° F. and standard heats of rating (216 steam pressure 60° F. entering air). "BDW" = Equivalent direct radiation at standard heats of rating.

ILG ELECTRIC UNIT HEATERS

TYPE "EU"—Extremely quiet operation for stores, homes, offices, factories, etc. Plain heat, non-glare type heating coil. Adequate thermal cut-out prevents excessive temperature rise. Available in capacities from 1 K.W. to 15 K.W.

TYPE "HT"—For portable or common duty in installations requiring small volume of heat. Non-over-heating. Black heat type heating coil with individually interchangeable elements. Available in capacities from 1½ K.W. to 4 K.W.



Catalog No.	Capacity K.W.	R.P.M.	C.F.M.	Capacity H.P.	Phase	Volts	Shipping Weight
110-EU	1½	1100	800	1/150		110	16
110-HT	1	1100	700	1/150		110	16
210-EU	3	1100	1600	1/100		220	16
210-HT	2	1100	1400	1/100		220	16
310-S	3	1140	1100	1/100		110	24
310-S	3	1140	1100	1/100		220	24
310-A	3	1140	825	1/100	1 Ø	110	24
310-A	3	1140	825	1/100	1 Ø	220	24
510-A	5	1140	1100	1/100	1 Ø	110	24
510-A	5	1140	1100	1/100	1 Ø	220	24
710-A	7½	1140	800	1/100	1 Ø	110	24
710-A	7½	1140	800	1/100	1 Ø	220	24
1110-A	11	1140	1000	1/100	1 Ø	110	24
1110-A	11	1140	1000	1/100	1 Ø	220	24

HT Units available in 110 or 220 volts, 1 phase and 220 volts, 3 phase.
Units for direct current and special voltages supplied at extra cost.
EU Units require controller equipment.
* Available only in 110 or 220 volts A.C. or 220 volts D.C.
** Available in 110, 220, 440, or 550 volts A.C., 220 or 550 volts D.C.
† Available only in 440 or 550 volts A.C. or 550 volts D.C.



Electric heat is CLEAN . . . SAFE . . . ECONOMICAL . . . CONVENIENT . . . FAST! No central heating plant . . . no pipe lines . . . no coal bins . . . no over-night fires . . . no ash removal . . . no coal dust, soot, or oil film . . . no wasted heat at ceiling!

ELECTRIC VENTILATORS FOR HOMES

ILG

29¢
IL

"BUILT-IN" Type for Kitchens, Laundries, Bath, and Recreation Rooms

Streamlined, modern unit becomes an integral part of the building wall, easily installed in new or remodeled homes or apartments. Remarkably quiet operation—operates smoothly, freely, without effort for years on end. Type "Q" fan wheel exhausts more air with less noise, without increase in power—is accurately balanced. Rugged framework keeps parts aligned, assures a solid, permanent installation, free from vibration. One-piece, weather-tight door on outside of house is opened or closed by beaded pull chain, simultaneously causing fan motor to start or stop. Keeps out insects and cold air when fan is not operating.

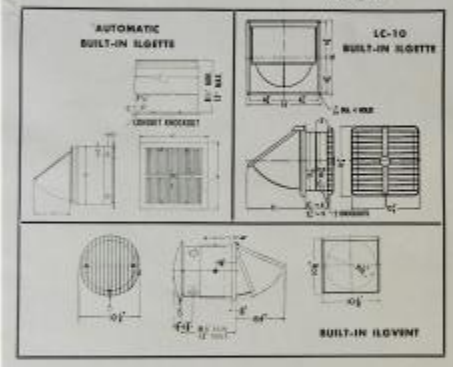
Telescopic cabinets of 16-gauge rust-resisting steel permit depth adjustment for different wall thicknesses. (See table below).



No. 8091 . . . for average kitchens. Fullautomatic operation from wall switch; complete with auxiliary door opening motor. Mirror finished grille.

No. 8151, 1853 . . . for average kitchens. Quick twist of one knob permits removal of white enamelled grille for cleaning. Pullchain operation.

Nos. 8080, 8082 . . . for small kitchens. Polished grille tips off attractive French Gray cabinet. Pull chain operation.



Specifications . . . "Built-in" models
110 VOLT—60-50 CYCLE—1 PHASE

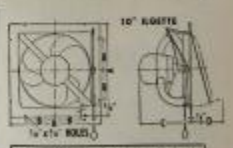
Cat. No.	Model	Sleeve Adj.	Cabinet Dimensions	Certified Ratings C.F.M.	R.P.M.	Watts	Ship. Wt. Lbs.
8080	8" Built-in Ilgvent	5¾" to 8½"	Flange, 10½" x 10½" Rod. Sleeve, 9" dia.	350	1550	55	20
8082	8" Built-in Ilgvent	8½" to 13"	Flange, 10½" x 10½" Rod. Sleeve, 9" diam.	350	1550	55	20
8151	10" LC Built-in Ilgette	4¼" to 6"	11" x 11"	500	1550	55	23
8153	10" LC Built-in Ilgette	5¾" to 9"	11" x 11"	500	1550	55	23
8091	10" Automatic Built-in Ilgette	8½" to 13"	12" x 12"	500	1550	55	29



PANEL TYPE

Adjustable steel panel adjustable 26" to 36" and 36" to 46"—mounts in window frame, plugs into nearest outlet. Available in 8" and 10" fan sizes. Ask for bulletin A-1043.

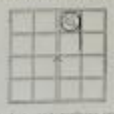




No.	Model	A	B	C	D
8102	10" Ilgette	12"	4"	7¼"	8¼"

"PACKAGE-TYPE" for Thin Wall or Window Applications

Can be used in steel sash window or other small panel window, also in double hung windows with wood or metal mullions around panel. Finished in ivory enamel. Complete with fan guard, extension cord and plug. Beaded pull chain starts and stops motor; other weather-tight outer door, simultaneously starting and stopping fan operation.



To window sash replaces one pane of glass. Height: No. 8008 fits any building wall of brick wall known.

110 VOLT—60-50 CYCLE—1 PHASE

Catalog No.	Model	Panel Dimensions	C.F.M.	R.P.M.	Watts	Shipping Weight, Lbs.
8102	10" Ilgette	12" x 12"	500	1550	55	34

All ratings on this page are certified in accordance with the standard test code adopted jointly by the Propeller Fan Manufacturers Association, the National Association of Fan Manufacturers and the American Society of Heating and Ventilating Engineers.

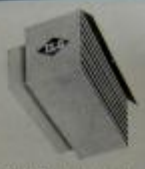
CEILING TYPE...Fully Automatic...Locate in Kitchen Ceiling over Range

ILG





No. 8132 Fan Unit Only



No. 8131 Wall Unit Only

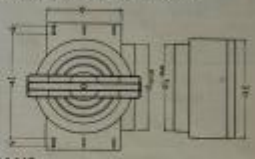
NEW HP CEILING ILGETTE KITCHEN VENTILATOR—Full capacity for thorough ventilating without sacrificing super-quiet operation. Easy to install and operate. New hinged grille, motor and fan assembly simply lift off for cleaning. Shaded pole rubber mounted permanently lubricated motor. Built-in electrical plug automatically breaks circuit when grille is opened. Insulated outer door has new spring hooper control.

SPECIFICATIONS—115 Volt 1 Phase 60 Cycle

CATALOG NO.	DESCRIPTION	Rpm	*Cfm	Watts	WEIGHTS NET	WEIGHTS SHIPPING
8132	Fan Unit Only	1550	280	60	10	11
8131	Wall Unit Unit				8	9

*ASHAE testing & installation standards.





NIGHT COOLING AND CIRCULATING FANS



No. 7160 ILGOGALAIRE . . . Portable in window for night-cooling, or as floor or ceiling fan. Powerful motor has positive oil circulation from any angle.



No. 7070 ILGSTREAMAIRE . . . Place on table or floor. Mount on wall or ceiling. Friction lock permits operation from any angle. Produces effective thermostatic



No. 7050 ILGROLLAIRE . . . Rolls on casters for easy portability. Use for night-cooling, or air circulation in small homes and apartments.



No. 6100, 6101 ILGWIND . . . Two-speed. Night-cool up to two-room homes or apartments, large offices, stores. Also for "blow-cooling" duty in plants.

Branch Offices as Close as Your Telephone

ALBANY 7—
108 State St. 4-7705
ALBUQUERQUE—
1807 N. 2nd St. 6-6429
ATLANTA—
313 Techwood Dr., N.W. Cypress 3447
BOSTON 16—
137 Newbury St. Kenmore 6-0562
BUFFALO 3—
330 Delaware Ave. Cleveland 7374
CHARLOTTE 3—
139 Brevard Ct. 2-6721
CHICAGO 5—
222 N. LaSalle St. Franklin 2-1300
CINCINNATI 3—
626 Broadway Garfield 4660
CLEARWATER, FLA.—
1012 Cleveland St. 33-783
CLEVELAND 15—
1109 Schofield Bldg. Cherry 5122
COLUMBUS—
12 N. 3rd St. Adams 8323
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2690 Haviland St. Lakewood 2236M
DES MOINES 8—
Hotel Franklin 3-6121

DETROIT 2—
415 Brainard St. Temple 2-9460
EL PASO—
838 Bassett Tower Bldg. 3-8485
GALESBURG—
810 Seminary St. Main 6440
GRAND RAPIDS 6—
208 Gladstone Ave. 8-7540
GREENSBORO—
1093 Battleground Ave. 3-0366
HOUSTON 3—
1406 2nd Nat'l. Bank Bldg. Fairfax 3348
INDIANAPOLIS 4—
806 Archt. & Bldrs. Bldg. Plaza 5345
KANSAS CITY 8, MO.—
3921 Main Street Logan 9741
KNOXVILLE—
Holston Hills Rd.—Box 1212, 3-5009 & 8-3945
LOS ANGELES 17—
1709 W. 8th St. Dunkirk 4-4139
LOUISVILLE 3—
633 South 5th St. Wabash 3335
MEMPHIS 3—
630 N & M Bldg. 8-7886
MIAMI—
5951 SW 48th St. 87-4350 & 96-585

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902 Chapel St. 7-1730
NEW ORLEANS 12—
201 Pan American Bldg. Magnolia 3668
NEW YORK 38—
15 Park Row. Barclay 7-8787
NORFOLK 10—
610 Dyke St. 5-5870
OMAHA 8—
1113½ Farnam St. Atlantic 5840
ORLANDO, FLA.—
1318 Dominion St. 3-4104
PHILADELPHIA 3—
1433 Commercial Trust Bldg. Rittenhouse 6-5360
PHOENIX—
914 W. Madison St.—Box 1602. 42738
PITTSBURGH 16—
318 Washington Rd. LO 1-4416-9
RICHMOND—
211 W. Grace St. 7-4218
ROCHESTER 4—
1079 Sibley Tower Bldg. Hamilton 9320

ST. LOUIS 3—
1221 Locust St., Shell Bldg. Main 1972
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41 Post Office Place. SLC 3-2656
SAN ANTONIO 3—
404 Insurance Bldg. Fannin 7229
SAN DIEGO 4—
4750 Kensington Dr. Randolph 1878
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55 New Montgomery St. Sutter 1-0964
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316 N. 9th Ave. Scranton 4-6762
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SO. JACKSONVILLE 7, FLA.—
851 Flagler Ave. 96-1140
SO. PORTLAND, MAINE—
900 College Road. Portland 3-1266
SPRINGFIELD, MASS.—
120 Orange St.—Box 51. 3-0994
TOLEDO 2—
328 N. Erie St. Main 1612
TULSA 3—
314 W. 3rd St. 5-9324
WASHINGTON 6, D.C.—
17th & Penn Ave., N.W. National 9732

ILG ELECTRIC VENTILATING CO. 2870 North Crawford Ave., Chicago 41, Illinois.
Offices in more than 40 Principal Cities